CEILING SYSTEMS

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Use of Armstrong Ceiling Systems BERC2 Clip in Seismic Design Categories D, E, F

When approved by agencies having jurisdiction, the Armstrong BERC2 Clip may be used to satisfy the following IBC and CISCA requirements for Seismic Design Categories D, E and, F:

1. All tee ends on two adjacent walls must be fastened to the wall angle.
   (IBC2000 - 1621.2.5.2.2, paragraph 2)
2. All tee ends on the walls opposite to the fastened ends must have a ¾ inch clearance from the wall and be free to slide on the wall angle.
   (IBC2000 - 1621.2.5.2.2, paragraph 2)
3. All tee ends on all four walls shall be supported independently a maximum of 8 inches from each wall or ceiling discontinuity with No. 12 gage wire or approved wall support. (The Armstrong BERC2 attachment clip has been approved by some jurisdictions.)
   (CISCA Zones 3-4, Installation, Section 2, Perimeter Wires)
4. All tee ends on all four walls must be fastened together to prevent spreading.
   (CISCA Zones 3-4, Installation, Section 4, Perimeter Members)

When properly installed, the Armstrong BERC2 attachment clip can be used to satisfy all these requirements. Approval is required by agencies having local jurisdiction.

Proper installation is as follows:

- On the two adjacent walls to be fastened to the wall angle, the clip must be fastened to the wall through the wall angle with a minimum of two fasteners. The web of the tee must be fastened to the clip through the slot provided. The tee may be flush to the wall angle.
- On the two walls opposite to the fastened ends, the clip must be fastened to the wall through the wall angle by at least one fastener to prevent the clip from sliding along the wall. The tee must be cut to maintain a ¾ inch clearance from the wall. The tee must be able to slide freely within the clip.

This installation method will also satisfy requirements 3 and 4 along all four walls.

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